

[DOCUMENT] ABSTRACT

A nanosize heater-mounted nozzle is configured of a nozzle for locally supplying a source gas toward a substrate W; a pair of electrodes located on a side face of the nozzle; and a nanosize heater formed of carbon nanotube or the like, in which the nanosize heater is connected between the electrodes so as to pass over the opening of the nozzle, for heating the source gas by current flowing, whereby easily realizing localized deposition within a limited region on a substrate.